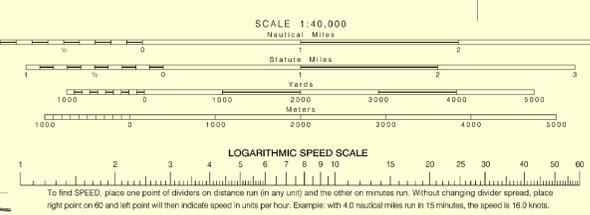


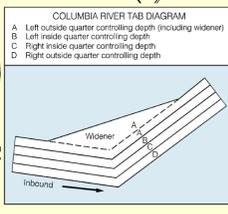
NOTE A Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additional regulations or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Washington or at the Office of the District Engineer, Corps of Engineers in Seattle, Washington. Refer to charted regulation section numbers.



THE NATION'S CHARTMAKER SINCE 1807 UNITED STATES - WEST COAST OREGON - WASHINGTON COLUMBIA RIVER SAINT HELENS TO VANCOUVER

Mercator Projection Scale 1:40,000 North American Datum of 1983 (World Geodetic System 1984) SOUNDINGS AND CLEARANCES OF BRIDGES AND OVERHEAD CABLES IN FEET AT COLUMBIA RIVER DATUM (MEAN LOWER LOW WATER DURING LOWEST RIVER STAGES)

HORIZONTAL DATUM: The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). LOCAL MAGNETIC DISTURBANCE: Differences of as much as 8° from the normal variation have been observed along this sector of the Columbia River. RADAR REFLECTORS: Radar reflectors have been placed on many floating aids to navigation. AUTHORITY: Hydrography and topography by the National Ocean Service, Coast Survey with additional data from the Corps of Engineers, Geological Survey and U.S. Coast Guard.



COLUMBIA RIVER TAB DIAGRAM Columbia River main channel - Controlling depths for outside quarters include the adjacent wider/fillet when applicable.

STATUTE MILES: Mileage distances along the Columbia and Willamette Rivers are in Statute Miles. CAUTION: Submarine pipelines and cables. SOURCE: 1960-2009 NGS Surveys, 1960-2009 NGS Surveys, 1960-1989 NGS Surveys, 1989-1989 NGS Surveys.

Table with columns: NAME OF CHANNEL, QUARTER, LEFT, RIGHT, DATE, DEPTH, etc. Includes data for various channels like St. Helens Turn, Water Rock Turn, etc.

POLLUTION REPORTS: Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-9802. ABBREVIATIONS: (For complete list of Symbols and Abbreviations, see Chart No. 1.)

WARNING: The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. AID TO NAVIGATION: Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

NOAA WEATHER RADIO BROADCASTS: The NOAA Weather Radio stations listed below provide continuous weather broadcasts. PORTLAND, OR: KIG-68 162.550 MHz, WOODLAND, WA: WNG-604 162.525 MHz.

